PLOS ONE

CORRECTION

Correction: Use of inverse modeling to evaluate CENTURY-predictions for soil carbon sequestration in US rain-fed corn production systems

Hoyoung Kwon, Carmen M. Ugarte, Stephen M. Ogle, Stephen A. Williams, Michelle M. Wander

Table 3 appears incorrectly formatted in the published article. Please see the correct Table 3 and its caption here.

Citation: Kwon H, Ugarte CM, Ogle SM, Williams SA, Wander MM (2017) Correction: Use of inverse modeling to evaluate CENTURY-predictions for soil carbon sequestration in US rain-fed corn production systems. PLoS ONE 12(3): e0173729. doi:10.1371/journal.pone.0173729

Published: March 6, 2017

Table 3. Parameters inversely estimated using the SCSOC. Parameter estimates, which were significantly different from zero (initial fraction of slow SOC) or unity (management effect) at $P<0.05$), are reported as mean ± standard error. NS indicates not significant from zero. Three levels of N fertilization were classified as low (≤100), mid (100~200), and high (≥200) kg N ha^{-1} rates; two levels of OM addition were classified as mid (≤10) and high (≥10) t dry matter ha^{-1} rates.

	C input rates based on	Parameters estimated									
		Initial slow SOC pool (fraction of total)									
Sites		Lexington, KY	Urbana, IL	Lamberton, MN	Hoytville, OH	Wooster, OH	South Charleston, OH	East Lansing, MI	Nashua, IA	KBS, MI	Rodale, PA
	Observed Yield	0.60±0.04	0.36 ±0.03	0.78±0.03	0.50±0.04	0.70±0.06	0.49±0.12	0.66±0.09	0.43±0.08	0.61 ±0.14	0.35±0.07
			0.66 ±0.02							0.65 ±0.16	
			0.36 ±0.02								
			0.56 ±0.02								
	CENTURY modeled	0.54±0.04	0.27 ±0.04	0.69±0.03	0.35±0.03	0.51±0.05	0.35±0.03	0.51±0.05	0.27±0.06	0.46 ±0.13	0.29±0.06
			0.50 ±0.02							0.47 ±0.14	
			0.19 ±0.02								
			0.40 ±0.02								
		Management effect (unitless)									
N inputs		***ferteff***		***omeff***							
	Observed Yield	Low	1.24 ±0.09								
		Mid	1.37 ±0.11	Mid	1.07±0.16 (NS)						
		High	1.59 ±0.08	High	1.26±0.23 (NS)						
	CENTURY modeled	Low	1.34 ±0.11								
		Mid	1.74 ±0.16	Mid	2.10±0.28						
		High	2.19 ±0.13	High	2.02±0.38						

doi:10.1371/journal.pone.0173729.t001

Reference

1. Kwon H, Ugarte CM, Ogle SM, Williams SA, Wander MM (2017) Use of inverse modeling to evaluate CENTURY-predictions for soil carbon sequestration in US rain-fed corn production systems. PLoS ONE 12(2): e0172861. doi:10.1371/journal.pone.0172861 PMID: 28234992